

Action of a strong gravitational wave on an anisotropic plasma

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Abstract

The problem of the electromagnetic response of a relativistic anisotropic plasma on the action of a strong plane gravitational wave (GW) is discussed in this paper. It is shown by the example of a beam distribution and a magnetoactive plasma that a linear electromagnetic response is possible if the anisotropy axis does not coincide with the propagation direction of the GW. © 1983 Plenum Publishing Corporation.

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